ANALYSIS

TAGGING

F03980-4099-4114

F0560-566

23696

R/V DAN MOORE STATION LOG

VESSEL (1)	STATION (2-5)	CRUISE NO. (6-8)	MO. (9-14)	DAY	YEAR	GRID (15-17)	LATITUDE (18-21)	LONGITUDE (22-25)
M	2366	032	01	10	74	26AE	3606	7541

DEPTH (26-29)	SUR. TEMP. (30-31)	BTM TEMP. (32-33)	AIR TEMP (34-35)	BAROMETER (36-38)	BT (39)	WIND DIR. (40-41)	WIND SPD. (42-43)
0007	10	—	19	022	N	W	10

S.C. (44)	WEA. (45-46)	BTM TYPE (47-48)	BTM REG (49)	GEAR TYPE (50-51)	GEAR SIZE (52-54)	OP (55)	TM. START (56-57)	MIN. FISHED (58-60)
1	CL	SA	F	FT	070	—	16	030

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
01	01200	0001	—	00010

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
—	—	—	—	—

POSITION	LATITUDE	LONGITUDE	LORAN		DEPTH fms	C/C	TIME ON STATION	
			2H4	3H5			PO	DO
START	36° 06'	75° 41'	1545	3006	7		1627	1629
							PU	ON
FINISH	36° 07'	75° 42'	1555	3008	6		1659	1702

LENGTH WARF	SHIFT RPM	PITCH	GEAR DATA:
100	1100/5 2	30	

SPECIAL MODIFICATIONS

OPERATIONAL COMMENTS

OBSERVATIONS

Positive P. dentatus

P. dentatus combined as 2365-2366

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R/V DAN MOORE SPECIES LIST

STATION NUMBER 2366 DATE January 10 1974 IDENTIFIED BY BFH, ABP

TOTAL CATCH WT. 1200# SUBSAMPLE WT. — NO. BASKETS —

SPECIES	NUMBER	WEIGHT	DATA TAKEN *
Squalus acanthius		98%	
Cynoscion regalis		5#	Small
Urophycus regius		3#	
Lophius americanus		50#	
Scopthalmus aquosus		1#	
Paralichthys dentatus	Few		Combined: 2365-2366
Opisthonema oglinum	1	—	
Alosa psuedoharengus	1	1#	Scales, Sex, F.L.
Raja eglanteria	1	2#	
Peprilus triacanthus	Few	2#	
Loligo pealii		10#	
Callinectes sapidus	1	1/2#	

*Include type of data taken, i.e length, weight, scales, gonads, saved for identification, etc.

ANADROMOUS FISH TAGGING & RELEASE DATA

Station No. 2365 & 2366 Tot. Fish Captured 241

Date 1 - 10 - 74 Tot. Fish Tagged 220

1.3 miles OFF shore

Area of Release 10 To 11 miles S. Currituck Light No. Retained for analysis 21

3#4 3#5

LORAN Start 1481 - 1545 2988 - 3006 Gear Type # 41 Yankee Trawl 070

Finish 1491 - 1555 2992 - 3008

Area I

TAG. NO.	Weight Lbs.	Ozs.	F.L. (cm)	Species	Remarks
F3982			225	P. dentatus	
F3983			220	"	
F3984			201	"	
F3985			206	"	
F3986			203	"	
F3987			270	"	
F3988			212	"	
F3989			200	"	
F3990			207	"	
F3991			198	"	
F3992			201	"	
F3993			195	"	
F3994			214	"	
F3995			202	"	
F3996			227	"	
F3997			357	"	
F3998			194	"	
F3999			186	"	
F4000			210	"	
F4001			220	"	
F4002			212	"	
F4003			230	"	
F4004			202	"	
F4005			202	"	
F4006			184	"	
F4007			201	"	
F4008			181	"	
F4009			206	"	
F4010			176	"	
F4011			180	"	
F4012			190	"	
F4013			227	"	
F4014			212	"	
F4015			203	"	
F4016			176	"	
F4017			165	"	
F4018			196	"	
F4019			193	"	
F4020			185	"	
F4021			213	"	
F4022			226	"	
F4023			191	"	

ANADROMOUS FISH TAGGING & RELEASE DATA

Station No. 2365 & 2366 cont

Tot. Fish Captured _____

Date _____

Tot. Fish Tagged _____

Area of Release _____

No. Retained for analysis _____

LORAN Start _____ _____

Gear Type _____

Finish _____ _____

TAG. NO.	Weight Lbs.	Ozs.	F.L. (cm)	Species	Remarks
F4024			211	P. dentatus	
F4025			218	"	
F4026			180	"	
F4027			202	"	
F4028			165	"	
F4029			178	"	
F4030			188	"	
F4031			164	"	
F4032			197	"	
F4033			228	"	
F4034			228	"	
F4035			191	"	
F4036			207	"	
F4037			200	"	
F4038			233	"	
F4039			210	"	
F4040			285	"	
F4041			220	"	
F4042			221	"	
F4043			203	"	
F4044			194	"	
F4045			188	"	
F4046			197	"	
F4047			182	"	
F4048			221	"	
F4049			203	"	
F4050			205	"	
F4051			221	"	
F4052			191	"	
F4053			181	"	
F4054			226	"	
F4055			180	"	
F4056			232	"	
F4057			192	"	
F4058			215	"	
F4059			170	"	
F4060			218	"	
F4061			215	"	
F4062			168	"	
F4063			212	"	
F4064			202	"	
F4065			185	"	

ANADROMOUS FISH TAGGING & RELEASE DATA

Station No. 2365 & 2266 cont'd

Tot. Fish Captured _____

Date _____

Tot. Fish Tagged _____

Area of Release _____

No. Retained for analysis _____

LORAN Start _____ _____

Gear Type _____

Finish _____ _____

TAG. NO.	Weight Lbs.	Weight Ozs.	F.L. (cm)	Species	Remarks
F4066			217	P. dentatus	
F4067			207	"	
F4068			213	"	
F4069			205	"	
F4070			228	"	
F4071			230	"	
F4072			205	"	
F4073			207	"	
F4074			217	"	
F4075			200	"	
F4076			226	"	
F4077			197	"	
F4078			170	"	
F4079			190	"	
F4080			188	"	
F4081			214	"	
F4082			196	"	
F4083			212	"	
F4084			211	"	
F4085			195	"	
F4086			182	"	
F4087			190	"	
F4088			212	"	
F4089			202	"	
F4090			204	"	
F4091			182	"	
F4092			176	"	
F4093			255	"	
F4094			207	"	
F4095			197	"	
F4096			215	"	
F4097			200	"	
F4098			203	"	
F4099			210	"	
F0560			393	"	
F0561			362	"	
F0562			380	"	
F0563			351	"	
F0564			368	"	
F0565			352	"	

ANADROMOUS FISH TAGGING & RELEASE DATA

Station No. 2365 & 2366 cont

Tot. Fish Captured _____

Date _____

Tot. Fish Tagged _____

Area of Release _____

No. Retained for analysis _____

LORAN Start _____ _____

Gear Type _____

Finish _____ _____

TAG. NO.	Weight Lbs.	Weight Ozs.	F.L. (cm)	Species	Remarks
F0[illegible]			358	P. dentatus	
F4100			240	"	
F4101			188	"	
F4102			200	"	
F4103			171	"	
F4104			201	"	
F4105			201	"	
F4106			192	"	
F4107			180	"	
F4108			234	"	
F4109			209	"	
F4110			227	"	
F4111			192	"	
F4112			208	"	
F4113			180	"	
F4114			211	"	
F4115			200	"	
F4116			210	"	
F4117			192	"	
F4118			261	"	
F4119			203	"	
F4120			204	"	
F4121			207	"	
F4122			209	"	
F4123			200	"	
F4124			173	"	
F4125			197	"	
F4126			222	"	
F4127			204	"	
F4128			182	"	
F4129			183	"	
F4130			155	"	
F4131			183	"	
F4132			206	"	
F4133			221	"	
F4134			224	"	
F4135			180	"	
F4136			215	"	
F4137			208	"	
F4138			185	"	

ANADROMOUS FISH TAGGING & RELEASE DATA

Station No. 2365 & 2366 CON'T

Date

Area of Release

LORAN Start

Finish

Tot. Fish Captured

Tot. Fish Tagged

No. Retained for analysis

Gear Type

TAG. NO.	Weight Lbs.	Ozs.	F.L. (cm)	Species	Remarks
F4139			216	P. dec Texas	
F4140			218	"	
F4141			192	"	
F4142			210	"	
F4143			233	"	
F4144			191	"	
F4145			182	"	
F4146			184	"	
F4147			206	"	
F4148			207	"	
F4149			191	"	
F4150			210	"	
F4151			192	"	
F4152			197	"	
F4153			223	"	
F4154			158	"	
F4155			223	"	
F4156			182	"	
F4157			202	"	
F4158			229	"	
F4159			201	"	
F4160			249	"	
F4161			164	"	
F4162			202	"	
F4163			197	"	
F4164			206	"	
F4165			200	"	
F4166			205	"	
F4167			210	"	
F4168			189	"	
F4169			205	"	
F4170			188	"	
F4171			189	"	
F4172			191	"	
F4173			222	"	
F4174			220	"	✓
F4175			195	"	
F4176			207	"	
F4177			201	"	
F4178			182	"	
F4179			205	"	
F4180			185	"	✓

ANADROMOUS FISH TAGGING & RELEASE DATA

Station No. 2365 & 2366 CONT

Date _____

Area of Release _____

LORAN Start _____ _____

Finish _____ _____

Tot. Fish Captured _____

Tot. Fish Tagged _____

No. Retained for analysis _____

Gear Type _____

TAG. NO.	Weight Lbs.	Weight Ozs.	F.L. (cm)	Species	Remarks
F4181			162	P. decorata	
F4182			218	"	
F4183			225	"	
F4184			208	"	
F4185			179	"	
F4186			210	"	
F4187			185	"	
F4188			254	"	
F4189			215	"	
F4190			188	"	
F4191			232	"	
F4192			188	"	
F4193			191	"	
F4194			235	"	

Species: P. dentatus

Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Back-calc.	Age	Gonad Stage	Station Number	Remarks WT IN grams	
1-49	171	♂	✓	✓				—	2365 2366	50	Area I
1-50	185	♂	✓	✓				—	"	65	
1-51	195	♀	✓	✓				I	"	75	
1-52	184	♀	✓	✓				I	"	70	✓
1-53	156	♀	✓	✓				—	"	35	
1-54	169	♀	✓	✓				I	"	50	
1-55	204	♀	✓	✓				I	"	85	
1-56	216	♂	✓	✓				—	2353 2354	125	See above
1-57	201	♂	✓	✓				—	"	95	Area III
1-58	221	♀	✓	✓				I	"	105	Jan 1974
1-59	358	♀	✓	✓				I	2369	460	✓ Area IV
1-60	360	♀	✓	✓				II (2.1)	"	525	Jan. 1974
1-61	211	♀	✓	✓				I	"	115	
1-62	213	♂	✓	✓				—	"	100	
1-63	213	♀	✓	✓				I	"	100	
1-64	196	♂	✓	✓				—	"	75	
1-65	159	♂	✓	✓				—	"	70	
1-66	229	♀	✓	✓				I	2358-2361	120	Area II Jan 1974
1-67	208	♂	✓	✓				—	"	95	
1-68	254	♀	✓	✓				I	"	155	
1-69	222	♀	✓	✓				I	"	115	
1-70	256	♀	✓	✓				I	"	175	
1-71	246	♂	✓	✓				—	"	155	
1-72	300	♂	✓	✓				—	"	205	
1-73	201	♀	✓	✓				I	"	85	
1-74	198	♂	✓	✓				—	"	85	
1-75	217	♂	✓	✓				—	"	105	See above
1-76	223	♀	✓	✓				I	"	125	
1-77	243	♀	✓	✓				I	"	155	
1-78	238	♂	✓	✓				—	"	135	
1-79	230	♀	✓	✓				I	"	125	
1-80	222	♂	✓	✓				—	"	110	
1-81	245	♀	✓	✓				I	"	155	
1-82	244	♀	✓	✓				I	"	130	
1-83	204	♀	✓	✓				I	"	95	
1-84	204	♀	✓	✓				I	"	90	
1-85	195	♂	✓	✓				—	"	70	
1-86	203	♀	✓	✓				I	"	90	
1-87	310	♂	✓	✓				—	2349	340	Area III
1-88	392	♀	✓	✓				III (5.1)	"	685	Jan 1974
1-89	227	♂	✓	✓				—	2368	135	✓ Jan 1974
1-90	213	♂	✓	✓				—	"	95	Area I
1-91	222	♂	✓	✓				—	"	135	
1-92	210	♀	✓	✓				I	"	110	
1-93	220	♀	✓	✓				I	"	110	

Species. *F. heteroclitus*

Specimen Number	T.L.	Sex	Otoliths	Gonads	Fecundity	Oocyte size	Age	Gonad Stage	Station Number	Remarks
1-1	437	♂	✓	—				—	2353 2354	WT in grams
1-2	520	♀	—	✓				III (21.7)	"	
1-3	417	♂	✓	—				—	"	
1-4	172 (SL)	♂	✓	—				—	"	
1-5	520	♀	✓	✓				III (20.1)	"	
1-6	501	♀	✓	✓				III (31.7)	"	
1-7	430	♀	✓	✓				III (21.6)	"	
1-8	376	♂	✓	—				—	"	
1-9	400	♀	✓	✓				III (11.1)	"	
1-10	725	♀	✓	✓				III (214.5)	2358 - 2361	Blood in ovarian cavity No eggs seen [illegible]
1-11	55[illegible]	♀	✓	✓				III (65.6)	Area I	- see below
1-12	3[illegible]	♀	✓	✓				I or II (5.6)	[illegible]	Probably a virgin
1-13	450	♀	✓	✓				III (16.0)	2373 - 2377	Area II
1-14	358	♀	—	✓				III (15.2)		[illegible]
1-15	[illegible]	♂	✓	✓				Blood vessels		Appears immature
1-[illegible]	[illegible]	♂	✓	✓				Blood vessels		
1-[illegible]	[illegible]	♂	✓	✓						do
1-[illegible]	[illegible]	♂	✓	✓						do
1-[illegible]	406	♂	✓	✓				"	"	do
1-[illegible]	420	♂	✓	✓				"	"	do
1-21	242	♂	✓	✓				—	"	149 grams
1-22	317	♀	✓	✓				III (9.0)	"	309
1-23	319	♂	✓	✓				—	"	328
1-24	335	♂	✓	✓				—	"	388
1-25	308	♂	✓	✓				—	"	284
1-26	305	♀	✓	✓				I	"	290
1-27	330	♂	✓	✓				—	"	410
1-28	329	♂	✓	✓				—	"	390
1-29	305	♂	✓	✓				—	"	320
1-30	251	♂	✓	✓				—	"	180
1-31	190 (SL)	♀	✓	✓				I	"	— 230 TL
1-32	186	♂	✓	✓				—	"	90
1-33	168 (SL)	♂	✓	✓				—	"	100
1-34	179	♀	✓	✓				I	"	60
1-35	205	♂	✓	✓				—	2365 - 2366	Area I
1-36	220	♂	✓	✓				—	"	110
1-37	178	♂	✓	✓				—	"	120
1-38	177	♂	✓	✓				—	"	60
1-39	210	♀	✓	✓				I	"	60
1-40	209	♀	✓	✓				I	"	100
1-[illegible]	207	♀	✓	✓				I	"	110
1-[illegible]	207	♀	✓	✓				I	"	110
1-43	207	♀	✓	✓				I	"	100
1-44	164	♂	✓	✓				—	"	100
1-45	202	♀	✓	✓				I	"	50
1-46	185	♂	✓	✓				—	"	90
1-[illegible]	17[illegible]	♀	✓	✓				I	"	80

Alewife

Station	Date	Fork Length (mm)	Weight (g)	Sex	Scales	Age	Spawning Marks	Stage	AL #
2366 ✓	1-10-74	1/305	—	♂	✓	6A = 6	0	—	1
2395 ✓	2-7-74	250	—	♀	—	—	—	III	2
"	"	255	—	♀	—	—	—	III	3
		2/505							
2397 ✓	2-12-74	239	212	♂	—	—	—	—	4
"	"	218	160	♂	✓	5A+ = 6	0	—	5
"	"	227	200	♀	—	—	—	III	6
"	"	234	190	♂	—	—	—	—	7
"	"	235	222	♀	—	—	—	III	8
"	"	237	206	♂	—	—	—	—	9
"	"	245	244	♂	✓	3A-1S+=5	1	—	10
"	"	235	190	♀	✓	5A+ = 6		II	11
"	"	245	245	♀	✓	4A+ = 5	0 ✓	III	12
"	"	237	244	♂	✓	4A+ = 5	0	—	13
"	"	235	232	♂	✓	3A-1S+=5	1	—	14
"	"	268	330	♀	✓	3A-1S+=5	1	III	15
"	"	230	210	♂	✓	5A+ = 6	0	—	16
"	"	240	244	♂	✓	3A-1S+=5	1	—	17
"	"	228	159	♂	—	—	—	—	18
"	"	235	214	♀	—	—	—	III	19
"	"	252	268	♂	✓	3A-1S+=5	1	—	20
"	"	242	244	♂	✓	3A-1S+=5	1	—	21
"	"	225	192	♂	✓	3A+ = 4	0	—	22
"	"	232	200	♂	—	—	—	—	23
"	"	230	202	♂	✓	5A+ = 6	0	—	25
"	"	232	182	♀	—	—	—	I	26
"	"	258	272	♀	✓	4A+ = 5	0	III	27
"	"	235	224	♂	✓	4A+ = 5	0	—	28
"	"	258	312	♀	✓	3A-2S+=6	2	III	29
"	"	238	224	♂	✓	5A+ = 6	0	—	30
"	"	230	214	♂	—	—	—	—	31
"	"	230	208	♂	—	—	—	—	32
"	"	227	188	♂	—	—	—	—	33
"	"	225	196	♂	—	—	—	—	34
"	"	233	216	♂	—	—	—	—	35
"	"	215	174	♂	—	—	—	—	36
"	"	240	234	♀	✓	5A+ = 6	0	III	37
"	"	225	192	♂	✓	5A+ = 6	0	—	38
"	"	225	174	♂	✓	3A+ = 4	0	—	39
"	"	215	176	♂	✓	2A+ = 3	0	—	40
"	"	235	220	♂	✓	3A-1S+=5	1	—	41
"	"	240	192	♂	✓	3A+ = 4	0	—	42
"	"	230	206	♂	✓	3A-1S+=5	1	—	43
"	"	230	212	♂	✓	3A-2S+=6	2	—	44
		40/9390							
2411 ✓	3/5/74	247	266	♂	✓		1	—	45
"	"	270	330	♂	—	— ✓	—	—	46
"	"	235	240	♂	✓	3A-1S+=5	1	—	47
"	"	252	294	♀	—	—	—	III	48
"	"	290	328	♂	—	—	—	—	49
"	"	233	202	♀	—	—	—	III	50
"	"	250	270	♀	—	—	—	III	51
"	"	261	280	♂	✓	3A-3S+=7	3	—	52
		[illegible]							

24 Illumina

23606